

In the Claims:

Claims 1 to 14 (canceled).

1 **15.** (new) A method for assisting the driver of a vehicle (10)
2 when performing a driving maneuver formed by a parking or
3 shunting maneuver, a reference trajectory (16)
4 corresponding to the driving maneuver being determined,
5 along which the vehicle (19) is to be moved, and the
6 steering wheel position to be set in each case and
7 controlling the vehicle (10) along the reference trajectory
8 (16, 19) being indicated to the driver during the
9 driving maneuver, the vehicle longitudinal speed (v) being
10 influenced independently of the driver in the event of a
11 steering angle deviation (d_{LW}) between the actual steering
12 angle (δ_{act}) actually set by the driver and the desired
13 steering angle (δ_{des}) corresponding to the requested steering
14 wheel position, characterized in that the vehicle
15 longitudinal speed is influenced on the basis of the
16 magnitude of the steering angle deviation (d_{LW}) in such a
17 way that the greater the vehicle retardation carried out,
18 the greater the magnitude of the steering angle deviation
19 (d_{LW}).

1 **16.** (new) The method as claimed in claim 15, characterized in
2 that, during the driving maneuver, depending on the current
3 vehicle position ($x_{F,act}/y_{F,act}/\psi_{F,act}$), a steering angle
4 tolerance band (δ_{min} to δ_{max}) which determines the permissible

steering angle is determined and the influence on the vehicle longitudinal speed (v) depends on the tolerance margin ($\delta_{des} - \delta_{min}$ or $\delta_{max} - \delta_{des}$) between the desired steering angle (δ_{des}) and the tolerance band limits (δ_{min} or δ_{max}).

17. (new) The method as claimed in claim 16, characterized in that, in order to determine the steering angle tolerance band, a rotational angle tolerance band is determined, the actual rotational angle ($\psi_{F,act}$) between the vehicle longitudinal axis (71) and a coordinate axis (y) of a stationary coordinate system (22) being enlarged or reduced until it is just still possible to determine a trajectory to the target position (17).

18. (new) The method as claimed in claim 16, characterized in that the vehicle longitudinal speed (v) is chosen to be lower, the smaller the magnitude of the tolerance margin ($\delta_{des} - \delta_{min}$ or $\delta_{max} - \delta_{des}$).

19. (new) The method as claimed in claim 15, characterized in that the vehicle longitudinal speed (v) is chosen to be lower, the greater the magnitude of the steering angle deviation (d_{LW}).

20. (new) Method as claimed in claim 15, characterized in that the vehicle longitudinal speed is influenced by means of speed regulation.

1 **21.** (new) The method as claimed in claim 15, characterized in
2 that the vehicle (10) is retarded down to a standstill and
3 is kept at a standstill as long as, on the basis of the
4 existing steering angle deviation (d_{LW}), the vehicle (10)
5 would assume a vehicle position during onward travel from
6 which the target position (17) can no longer be reached
7 without a shunting interruption to the driving maneuver.

1 **22.** (new) The method as claimed in claim 21, characterized in
2 that the vehicle (10) is accelerated again independently of
3 the driver if the driver sets a steering wheel position
4 which leads to a permissible steering angle deviation (d_{LW}).

1 **23.** (new) The method as claimed in claim 15, characterized in
2 that the steering wheel position to be set is indicated by
3 means for acoustic driver information and/or means for
4 optical driver information (13) and/or means for tactile
5 driver information (40 and 41).

1 **24.** (new) The method as claimed in claim 23, characterized is
2 that the means for tactile driver information (40 and 41)
3 have means for changing the steering wheel torque to be
4 applied by the driver.

1 **25.** (new) The method as claimed in claim 15, characterized in
2 that the driving maneuver is a parking maneuver and the

reference trajectory (16) indicates the ideal route from the actual vehicle position ($x_{F,act}/y_{F,act}/\psi_{F,act}$) into the parking position (17).

26. (new) The method as claimed in claim 15, characterized in that, in the case of a vehicle (10) in trailer operation, each vehicle position along the actual reference trajectory (19) is assigned a desired trailer angle (β_{des}) between the vehicle longitudinal axis (71) and the trailer longitudinal axis (72), and in that the actual trailer angle (β_{act}) is determined and compared with the corresponding desired trailer angle (β_{des}), the vehicle longitudinal speed (v) being influenced independently of the driver in the event of an angular deviation between desired trailer angle (β_{des}) and actual trailer angle (β_{act}).

27. (new) A device for implementing a method for assisting the driver when performing a driving maneuver formed by a parking or shunting maneuver as claimed in claim 15, having means (12) for determining a reference trajectory (16) corresponding to the driving maneuver, and means (13; 40 and 41) for indicating the steering wheel position to be set by the driver and controlling the vehicle (10) along the reference trajectory (19), the vehicle longitudinal speed (v) being influenced by retardation means (50) and/or forward drive means (51) that can be activated independently of the driver if a steering angle deviation (d_{LW}) between the actual steering angle (δ_{act}) actually set

13 by the driver and the desired steering angle (δ_{des})
14 corresponding to the requested steering wheel position is
15 established in an evaluation device (12), characterized in
16 that the vehicle longitudinal speed is influenced on the
17 basis of the magnitude of the steering angle deviation (d_{LW})
18 in such a way that the greater the vehicle retardation
19 carried out, the greater the magnitude of the steering
20 angle deviation (d_{LW}).

1 **28.** (new) The device as claimed in claim 27, characterized in
2 that means (12) are provided for determining the desired
3 trailer angle (β_{des}) between the vehicle longitudinal axis
4 (71) and the trailer longitudinal axis (70), and means for
5 determining the actual trailer angle (β_{act}), in that the
6 evaluation device (12) compares the desired trailer angle
7 (β_{des}) and the actual trailer angle (β_{act}), and in that the
8 retardation means (50) and/or forward drive means (51) of
9 the vehicle (10) are activated in the event of an angular
10 deviation being established between the desired trailer
11 angle (β_{des}) and the actual trailer angle (β_{act}).

[REMARKS FOLLOW ON NEXT PAGE]